NC/QC/AMG/2022-23/P2-2

Date: 10-04-2023

To,
The Executive Engineer,
RI Yelahanka
Bangalore.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

Name of work: Improvements to roads, drains and other developmental works at 5th phase, puttenahalli, ISAAC layout kondappa layout, kamakshamma layout, hanumappa layout, A sector and surrounding areas in ward No 02 & 04 of yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-02)

Item No	Description of work	Unit	Qty	No of Samples Tested	Standards
1	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in	Cum	349.93	4	Per 100 cum
2	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in	Nos	987.00	2	Per 500 Nos
3	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.	Tn	7.08	1	Per Dia
4	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works	Cum	124.74	6	Per 50 cum
5	Providing and fixing 100 mm thick Pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate	Sqm	527.56	2	Per 500 Sqm
6	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of	Sqm	1745.79	4	Per 500 Sqm

A.E.E.

Item No	Description of work	Unit	Qty	No of Samples Tested	Standards
7	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material	Cum	563.77	2	Per 400 cum
8	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material	Cum	317.25	2	Per 200 cum
9	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-	Cum	137.34	2	Per 100 cum
10	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading,	Cum	340.58	4	Per 100 cum
11	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed	Cum	325.84	4	Per 100 cum
12	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43	Cum	653.84	14	Per 100 cum

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 2nd and Part bill

Thanking you,

With Regards,

For Newzen Consultants Bangalore

NEWZEN CONSULTANTS Bangalore

A.E.E.

NC/QC/AMG/2022-23/P2-2/CB1A

Date: 20-03-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to roads, drains and other developmental works at 5th phase, puttenahalli, ISAAC layout kondappa layout, kamakshamma layout, hanumappa layout, A sector and surrounding areas in ward No 02 & 04 of yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-02).}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer, Yelahanka and Yelahanka Satellite Town Sub Division,BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri . Yogesh.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-02-23	20-03-23	28	22500	470	20.89	**21.04**
	002	‘’	“	‘’	“	485	21.56	
	003	‘’	“	‘’	“	465	20.67	

The result of the materials tested meets the standards and hence can be used for the work.

A sector 7th A Main Rd RHS Drain Ch:0.00m to 25.00m

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A.E.E.

NC/QC/AMG/2022-23/P2-2/FA1 **Date: 17-02-2023**

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.

{Project*: Improvements to roads, drains and other developmental works at 5th phase, puttenahalli, ISAAC layout kondappa layout, kamakshamma layout, hanumappa layout, A sector and surrounding areas in ward No 02 & 04 of yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-02).}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka and Yelahanka Satellite Town Sub Division,BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri . Yogesh.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**98.10**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**80.30**	60-95	75-100	85-100	
01.18	**64.70**	30-70	55-90	75-100	
600. mic	**39.50**	15.34	35-59	60-79	
300.mic	**22.40**	5-20	8-30	12-40	
150.mic	**5.20**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**18.62 %**	-----
2	Silt Content	----	**0.56 %**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

The result of the materials tested meets the standards and hence can be used for the work.

A sector 7th A Main Rd RHS Drain

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24	Providing capacity HMP using bituminous binder VG-30, @

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23/P2-2/CR2

Date: 20-02-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements to roads, drains and other developmental works at 5th phase, puttenahalli, ISAAC layout kondappa layout, kamakshamma layout, hanumappa layout, A sector and surrounding areas in ward No 02 & 04 of yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-02).}

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer, Yelahanka and Yelahanka Satellite Town Sub Division,BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri . Yogesh.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	13-02-23	20-02-23	07	22500	500	22.22	**21.93**
	002	"	"	"	"	485	21.56	
	003	"	"	"	"	495	22.00	

The result of the materials tested meets the standards and hence can be used for the work.

Kondappa Layout Jnabharathi School Side 1st Cross rd From Main Rd

AG-02

A.E.E.

NEWZEN CONSULTANT ★ Bangalore ★

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